

ABSTRACT OF THE DISCLOSURE

5 A microperforated packaging material for use in modifying or controlling the flow of
oxygen and carbon dioxide into and/out of a fresh produce container, where the
microperforations are specifically tailored in size, location and number for the specific produce.
The packaging system specifically tailors microperforated containers and packaging for
particular produce to optimally preserve the produce, using a method of making registered
10 microperforations on the packaging material using a CO₂ laser and a sensor mechanism.